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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. 09/080,909 ~~Div. of 08/917,292~~
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT George ISHIKAWA, et al.	
(Use several sheets if necessary)		FILING DATE May 19, 1998	GROUP

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EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	5,042,906	8/1991	Chesler et al.	385	123	
	AB	5,063,559	11/1991	Marcuse	398	91	
	AC	5,218,662	6/1993	Dugan	385	123	
	AD	5,224,183	6/1993	Dugan	385	24	
	AE	5,274,733	12/1993	Prigent, et al.	385	123	

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	AF	0 668 675 A2	08/23/95	EUROPE	G02F	001/00	X	
	AG							
	AH							
	AI							
	AJ							

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AK	Vengsarkar et al., "Dispersion Compensating Single-Mode Fibers: Efficient Designs For First- and Second-Order Compensation", OPTICS LETTERS, Vol. 18, No. 11, June 1, 1993, pp.924-926.
	AL	Antos et al., "Dispersion Compensating Fiber For Upgrading Existing 1310-nm-Optimized Systems to 1550-nm Operation", OFC/IOOC '93 Technical Digest, Feb. 1993, pp. 204-205.
	AM	Cimini et al., "Optical Equalization For High-Bit-Rate Fiber-Optic Communications", IEEE Photonics Technology Letters, Vol. 2, No. 3, March 1990, pp. 200-202.
	AN	European Search Report, EP 0668 675 A3; 7 February 1997.

EXAMINER	DATE CONSIDERED
Jeandra Hughes	Dec. 7, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF REFERENCES CITED BY APPLICANT		APPLICANT George ISHIKAWA, et al.	
(Use several sheets if necessary)		FILING DATE May 19, 1998	GROUP UNASSIGNED

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EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
✓	AO	5,327,516	7/1994	Chraplyvy, et al.	359	124	
✓	AP	5,343,322	8/1994	Pirio, et al.	359	173	
✓	AQ	5,361,319	11/1994	Antos, et al.	385	123	
✓	AR	5,373,382	12/1994	Pirio, et al.	359	161	
✓	AS	5,386,314	1/1995	Jopson	359	326	

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
	AT							
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	AV							
	AW							
	AX							

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✓	AY	Inoue et al. "Wavelength Conversion Experiment Usig Fiber Four-Wave Mixing", IEEE Photonics Technology Letters, Vol. 4, No. 1, Jan 1992, pp. 69-72.
✓	AZ	Hill et al, "CW Three-Wave Mixing in Single-Mode Optical Fibers", J. Appl. Phys. Vol. 49, No. 10, October 1978, p. 5098-5106.
✓	BA	Shibata et al., "Phase-Mismatch Dependence of Efficiency of Wave Mixing in a Single-Mode Optical Fiber", IEEE Journal of Quantum Electronics, Vol. QE-23, No. 7, July 1987, pp. 1205-1209.

EXAMINER	DATE CONSIDERED
Deandra Hughes	Dec. 7, 2004

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. 09/080,909 ~~Div. of 08/917,292~~
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT George ISHIKAWA, et al.	
(Use several sheets if necessary)		FILING DATE May 19, 1998	GROUP UNASSIGNED

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EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
✓	BB	5,392,377	2/1995	Auracher	385	24	
✓	BC	5,410,624	4/1995	Morkel	385	24	
✓	BD	5,546,210	8/1996	Chraplyvy et al.	359	124	
	BE						

FOREIGN PATENT DOCUMENTS

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	BF							
	BG							
	BH							
	BI							
	BJ							

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✓	BK	Hamaide et al., "Limitations in Long Haul IM/DD Optical Fiber Systems Caused by Chromatic Dispersion and Non-Linear Kerr Effect," Electronics Letters, Vol. 26, No. 18, Aug 30, 1990, pp. 1451-1453.
✓	BL	Maeda et al., "The Effect of Four-Wave Mixing in Fibers on Optical Frequency-Division Multiplexed Systems, IEEE Journal of Lightwave Technology, Vol. 8, No. 9, Sept 1990, pp. 1402-1408.
✓	BM	Schadt et al., "Numerical Investigation of Signal Degradation Due to Four-Wave Mixing in a 21-Channel 2.5 Gb/s Coherent Heterodyne DPSK System, IEEE Jnl of Lightwave Tech. Vol. 9, No. 9, Sept 1991.

EXAMINER Lyndia Hughes DATE CONSIDERED DEC. 7, 2004

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LIST OF REFERENCES CITED BY APPLICANT		APPLICANT George ISHIKAWA, et al.	
(Use several sheets if necessary)		FILING DATE May 19, 1998	GROUP UNASSIGNED

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	BN						
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	BP						
	BQ						
	BR						

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	BS							
	BT							
	BU							
	BV							
	BW							

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	BX	Inoue, "Four-Wave Mixing in an Optical Fiber in the Zero-Dispersion Wavelength Region, IEEE Journal of Lightwave Technology, Vol. 10, No. 11, Nov 1992, pp. 1553-1561
	BY	Inoue, "Phase-Mismatching Characteristic of Four-Wave Mixing in Fiber Lines with Multistage Optical Amplifiers", Optics Letters, Vol. 17, No. 11, June 1, 1992, pp. 801-803.
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EXAMINER Jeanderu Hayes	DATE CONSIDERED Dec. 7, 2004

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LIST OF REFERENCES CITED BY APPLICANT		1075.1013-CC-D3	09/080,909 ~~Div. of 08/917,282~~
(Use several sheets if necessary)		APPLICANT: George ISHIKAWA, et al.	
		FILING DATE: May 19, 1998	GROUP: UNASSIGNED

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EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	CA						
	CB						
	CC						
	CD						
	CE						

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
	CF							
	CG							
	CH							
	CI							
	CJ							

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	CK	Aoyama et al., "Design and Operation of Transmission Lines Containing ER-Doped Fiber Amplifier Repeaters, IEEE Globecom '92, 1992, pp. 1875-1879.
	CL	A. Chraplyvy, "Limitations in Long-Haul Transmission Systems", OFC/IOOC '93 Technical Digest, Feb 1993, p. 249.
	CM	Kurtzke et al., "Impact of Fiber Four-photon Mixing on the Design of n-channel Megameter Optical Communication Systems", OFC/IOOC '93 Technical Digest, Feb 1993, p. 251.

EXAMINER Saundra Hughes — DATE CONSIDERED Dec 7, 2004

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LIST OF REFERENCES CITED BY APPLICANT		APPLICANT George ISHIKAWA, et al.	
(Use several sheets if necessary)		FILING DATE May 19, 1998	GROUP UNASSIGNED

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EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
	CS							
	CT							
	CU							
	CV							

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	CW	"Frequency Allocation for Terrestrial Line Systems Using WDM and OFA's", ITU Telecommunication Standardization Sector, Com. 15-235-D, May 1994
	CX	"Draft Recommendation G.mcs: Optical Interfaces For Multichannel Systems with Optical Amplifiers", ITU Telecommunication Standardization Sector, Com. 15-282-E, Study Group 15 - Contribution 282; March 1996.
	CY	"Report Of Study Group 15 - Recommendations to be Submitted to the Rules of Resolution 1 (Section 8) at the Next Meeting of Study Group 15", ITU Telecommunication Standardization Sector, Com. 15-R 3-E, May 1997.
	CZ	M. Aiki, "Limitations in long-haul optical-amplifier transmission systems", OFC/IOOC '93 Technical Digest, Feb. 1993, pp. 250.

EXAMINER Jeanderia Hughes	DATE CONSIDERED Dec. 7, 2004

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT	1075.1013C2D3	09/080,909
	FIRST NAMED INVENTOR	
	George ISHIKAWA, et al.	
(Use several sheets if necessary)	FILING DATE	GROUP ART UNIT
	May 19, 1998	3663

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
[illegible]	AG	4-248504	9/4/92	Japan	602B	610	Abstract and full translation	
	AH							
	AI							
	AJ							
	AK							
	AL							

OTHER REFERENCES **(Including Author, Title, Date, Pertinent Pages, Etc.)**

			TRANSLATION YES	TRANSLATION NO
	AM			

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Jeanchia Hughes	Dec. 7, 2004

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